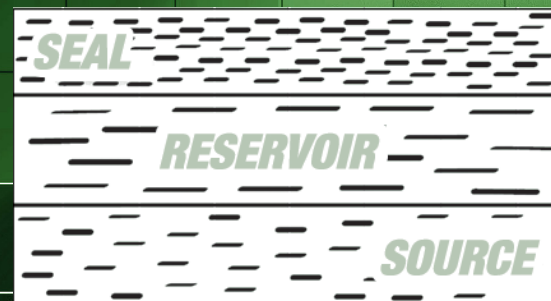


SEG/SPE/AAPG

WORKSHOP ON SHALES: seal, reservoir, source



6–9 June 2010

AUSTIN

Schedule

Sunday, 6 June 2010

4 p.m. Registration

6 p.m. Icebreaker

Monday, 7 June 2010

8 a.m.–12 p.m.

■ Day 1 (AM) - Geologic Overview of Resource Shales

Chairman's Introduction: *Robert Tatham*

Session Introduction: *Bill Almon/Roger Slatt*

Shale Reservoirs—Similiar, Yet So Different, *Murray Roth, Transform Software and Services*

Models for Mudrock Depositional Systems: Lessons from the Barnett and Other Phanerozoic Systems, *Stephen Ruppel, University of Texas-Austin*

10–10:15 a.m. BREAK

Outcrop/Behind Outcrop (Quarry), Multi-scale Characterization of the Woodford Gas Shale, Oklahoma, *Roger Slatt, University of Oklahoma*

Marcellus Shale Deposition and Gas Production, *John Ward, PetroEdge Energy LLC*

Depositional Environment, Stratigraphy and Petrophysical and Reservoir Characteristics of the Haynesville and Bossier Shale-Gas Plays of East Texas and Northwest Louisiana, *Ursula Hammes, University of Texas-Austin*

12–1 p.m. LUNCH

1–5:45 p.m.

■ Day 1 (PM) - Geologic Overview of Resource Shales (Continued)

Fayetteville Shale: Geology and Geologic Influences on Gas Potential in the Arkoma Basin of Arkansas, *David Houseknecht, US Geological Survey*

Eagle Ford Shale Prospecting with 3D Seismic Data, *Steven Sinclair, Matador Resources Company*

■ Day 1 (PM) - Geologic Analysis of Resource Shales

2–2:25 p.m. POSTER SESSION OVERVIEW

2:25–3:45 p.m. POSTERS

◆ P1: Looking Inside Organic-Rich Shales, *Ramil Ahmadov, Stanford University*

◆ P2: FIB/SEM and SEM/EDX: New Tools For Nanoscale Characterization of Shale, *Herman Lemmens, FEI*

◆ P3: Computational Rock Physics For Shales: The Road Ahead, *Amos Nur, Stanford University*

◆ P4: Thermal Maturity and Petrophysical Studies of the Fika Shale, Chad Basin, Nigeria, *Adekunle Abraham Adepelumi, Obafemi Awolowo University*

3:45–4:45 p.m.

Pore Size Distribution and Ultrasonic Velocities of Compacted Na-Montmorillonite Clays, *Utpalendu Kuila, Colorado School of Mines*

The Road Ahead with Global Shale Reservoirs, *Selim Hannan, Reservoir Intellillogic LLC*

4:45–5:45 Open Discussion

Tuesday, 8 June 2010

8 a.m.–12 p.m.

■ Day 2 (AM) - Rock Physics of Resource Shales

Rock Physics Session Introduction: *Carl Sondergeld/Ronny Hofmann*

Geomechanics Session Introduction: *Tom Bratton / Eric van Oort*

Rock Physics of Resource Shales, *Carl Sondergeld*

Effect of Gas Saturation on Acoustic Log Data in the Haynesville Shale Gas Play, *Amie Lucier, Shell Projects and Technology*

Rock-Physics Analysis of Composition, Pore-Space Stiffness, and Effective Stress of the Middle Bakken Siltstone, *Kyle Spikes, University of Texas-Austin*

10–10:15 a.m. BREAK

Simultaneous Estimation of Permeability and Specific Storage in Shales Using Constant Flow Technique, *Utpalendu Kuila, Colorado School of Mines*

Rock Physics Models For Shales, *Arthur Cheng, OHM Rock Solid Images*

Porosity, Adsorbed Gas, and Fluid Substitution Effects in Gas Shales, *Joel Walls, Object Reservoir*

12–1 p.m. LUNCH



1–5:45 p.m.

- **Day 2 (PM) - Geomechanics of Resource Shales**
Static and Dynamic Rock Properties Relationships for the Bossier and Haynesville Formations, NW Louisiana, *Ronny Hofmann, Shell Projects and Technology*

Microseismic Imaging of Hydraulic Fracture Complexity in Shale Gas Reservoirs, *Shawn Maxwell, Schlumberger*

Impact of Mechanical and Chemical Compaction on Static and Dynamic Properties of Shales, *Dave Dewhurst, CSIRO*

2:30–2:50 p.m. POSTER SESSION OVERVIEW

2:50–3:45 p.m. POSTERS

- ◆ **P1: Fractal Characteristics of Microseismic Event Distributions and Their Use in Quantifying Stimulation Effects in Shale Reservoirs**, *Mark Houston, VSFusion*
- ◆ **P2: Geomechanical Modeling Uncertainties in the Marcellus Shale**, *Julie Kowan, GeoMechanics International*
- ◆ **P3: Consistency Between Frac Orientation and Pre-Stack Inversion By Azimuth In the Waltman Shale**, *Robert Parney, Tricon Geophysics*
- ◆ **P4: Fracture Detection and Characterization in Shale Gas Plays Using Impedence Inversion**, *Scott Singleton, OHM Rock Solid Images*

3:45–4:45 p.m.

Monitoring a Hydraulic Stimulation of an Uncovnnventional Resevori Using 4D 3C Seismic, Suface, and Downhole Microseismic, *Jared Atkinson, Colorado School of Mines*

Geophysical Response of Shale Source, Reservoir, and Seal Rocks, *Yaping Zhu, ExxonMobil Upstream Research*

4:45–5:45..... Open Discussion

Wednesday, 9 June 2010
8 a.m.–12 p.m.

- **Day 3 (AM) - Shale Seals and Pore Pressure**
Shale Seals and Pore Pressure Session
Introduction: *Dan Ebrom/Dave Dewhurst*

Seismic Characterization Session Introduction

A Spectrum of Barostratigraphic Seals, *James Wheeler, Halliburton Consulting & Project Management*

The Normal Compaction of Clay Rocks is Fundamental for Understanding Overpressure, *Phil Heppard, ConocoPhillips*

10–10:15 a.m..... BREAK

Mudstone Geophysical Properties for Pressure Prediction, *Dan Ebrom, Statoil*

Well Log and Seismically Derived Impedance of Clay Rocks For Higher Resolution of Pore Pressure Prediction, *Stephanie Nowak, ConocoPhillips*

Detecting and Predicting Overpressure Shale Zones in the Niger Delta, Nigeria, *Olatunbosun Adedayo Alao, Obafemi Awolowo University*

12–1 p.m. LUNCH

1–5:45 p.m.

- **Day 3 (PM) - Seismic Characterization of Resource Shales**: *John Plappert/Robert Tatham*

Seismic Applications in the Marcellus Shale Play, *James Morris, Range Resources Corp*

Differentiating Lithology Based in a Join Interpretation of 3C-3D Seismic Data, Jurassic, East Texas Basin, *Diego Valentin, University of Texas-Austin*

2:30–2:45 p.m. BREAK

Seismic Stratigraphy (really!) of the Montney Formation WCSB: Groundbirch-Saturn Region, Peace River Arch, NEBC, Canada, *Brad Torry, Arcis*

Anisotropy of the Bakken Formation, East Williston Basin, North Dakota, *Fiona Ye, University of Texas-Austin*

Characterizing the Woodford Shale Through Seismic Anisotropy Modeling, *Na Shan, University of Texas-Austin*

Status of Graduate Student Research on Shale in the Dept of Geological Sciences, UT-Austin, *Robert Tatham, University of Texas-Austin*

4:45–5:45..... Open Discussion



8801 S. Yale Ave., Ste. 500 • Tulsa, OK 74137-3575
+1-918-497-5500 • Fax +1-918-497-5557

<http://www.seg.org>

